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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/904,361	07/12/2001	Roy C. Krohn	KRO 0129 PUS	3010

7590 05/20/2003

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EXAMINER

TUCKER, PHILIP C

ART UNIT

PAPER NUMBER

1712

DATE MAILED: 05/20/2003

7

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No. <b>904361</b> Examiner <b>P. TUCKER</b>	Applicant(s) <b>KROHN</b> Group Art Unit <b>1712</b>
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**—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

Responsive to communication(s) filed on 2/26/03

This action is FINAL.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.

### Disposition of Claims

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Claim(s) <u>1 and 14 - 41</u>      | is/are pending in the application.                 |
| Of the above claim(s)  | is/are withdrawn from consideration.               |
| <input checked="" type="checkbox"/> Claim(s) <u>20 - 41</u>            | is/are allowed.                                    |
| <input checked="" type="checkbox"/> Claim(s) <u>1, 14 - 16, 18, 19</u> | is/are rejected.                                   |
| <input type="checkbox"/> Claim(s)                                      | is/are objected to.                                |
| <input type="checkbox"/> Claim(s)                                      | are subject to restriction or election requirement |

### Application Papers

- The proposed drawing correction, filed on \_\_\_\_\_ is  approved  disapproved.
- The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner
- The specification is objected to by the Examiner.
- The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. § 119 (a)-(d)

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).

All  Some\*  None of the:

- Certified copies of the priority documents have been received.
- Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
- Copies of the certified copies of the priority documents have been received  
in this national stage application from the International Bureau (PCT Rule 17.2(a))

\*Certified copies not received: \_\_\_\_\_

### Attachment(s)

- |  |   |
|--|---|
| <input type="checkbox"/> Information Disclosure Statement(s), PTO-1449, Paper No(s). _____ | <input type="checkbox"/> Interview Summary, PTO-413                     |
| <input type="checkbox"/> Notice of Reference(s) Cited, PTO-892                             | <input type="checkbox"/> Notice of Informal Patent Application, PTO-152 |
| <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review, PTO-948           | <input type="checkbox"/> Other _____                                    |

## Office Action Summary

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## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by JP 05-311103.  
JP 5-311103 teaches a photocurable composition comprising a photocurable organic mixture, a photoinitiator, and silver particles. The silver particles may be a combination of silver powder and silver flakes having the flakes in greater than 20 % amount (see translation).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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4. Claims 1, 14-16, 18, 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 5-311103.

JP 5-311103 teaches a photocurable composition comprising a photocurable organic mixture, a photoinitiator, and silver particles. The silver particles may be a combination of silver powder and silver flakes having the flakes in greater than 20 % amount (see translation). JP 5-311103 differs from the present invention in that the specific amount of silver powder and silver flakes is not disclosed in the examples. JP '103 teaches that the flakes may comprise from 10-75% of the silver powder mixture, and further teaches examples which comprise about 80-85% of the silver flake and powder mixture. It would be obvious to one of ordinary skill in the art to utilize a combination of silver powder and silver flakes in the composition, said composition having 50-60% of powder, or 25-35% of flakes. JP '103 further differs in not specifying the amount of initiator used in the composition. The variation of the amount of initiator to achieve optimum curing time of the composition would be an obvious variation to one of ordinary skill in the art (In re Aller 105 USPQ 233).

5. Claim 17 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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6. Claims 20-41 are allowable over the art of record.

7. Applicants terminal disclaimer has overcome the rejection under obviousness double patenting. Applicants arguments have been considered but are not deemed persuasive with respect to claim 1, and those dependent therefrom. Applicant has argued that the use of the term “consisting essentially of” distinguishes over the present invention. The use of “consisting essentially of” does not distinguish the present invention, since the JP reference also is cured by UV light into a silver coating. The basic and novel characteristics are thus not changed by the inclusion of a Ag containing organic metal compound (In re Herz, In re Janikarama-Rao 137 USPQ 893). Furthermore, the use of such compound is not necessary in the invention of JP (see example 7, and general text). The rejection is thus maintained.

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however,

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will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Tucker whose telephone number is (703) 308-0529. The examiner's normal working hours are 7:30am-4:00pm, Monday-Friday. If necessary SPE Robert Dawson may be contacted at 703-308-2340. For inquiries of a general nature call the receptionist at 703-308-0651. The group FAX no. is 703-872-9310. The **after final** fax no. Is 703-872-9311.

PCT-2805  
May 15, 2003



**PHILIP C. TUCKER**  
**ART UNIT 1712**